

## **FACT SHEET**

### **INTENT TO REISSUE A HAZARDOUS WASTE MANAGEMENT PERMIT**

Facility Name: U.S. Department of Energy, Y-12 National Security Complex

Location: Bear Creek Road  
Oak Ridge, Anderson County, Tennessee 37831

EPA ID Number: TN3 89 009 0001

Facility Owner: U.S. Department of Energy  
P.O. Box 2001  
Oak Ridge, Tennessee 37831-8723  
(865) 576-0742

Facility Operator: U.S. Department of Energy  
P.O. Box 2003, Mail Stop 7593  
Oak Ridge, Tennessee 37831-7593  
(865) 574-9999

Facility Co-Operators: Bechtel Jacobs Company LLC  
P.O. Box 4699  
Oak Ridge, Tennessee 37831

WESKEM, LLC  
105 Mitchell Road  
Oak Ridge, Tennessee 37830-7953

Facility Contact: Mr. Tom Perry, CHMM  
Environmental Compliance Lead  
Waste Disposition Project  
Bechtel Jacobs Company LLC  
P.O. Box 4699  
K-1320, MS-7593  
Oak Ridge, Tennessee 37831-7593  
(865) 576-5587

Comment Period: Begins: July 6, 2005  
Ends: August 22, 2005

### **FACILITY DESCRIPTION**

The U.S. Department of Energy's Y-12 National Security Complex (Y-12) occupies approximately 800 acres in Anderson County, Tennessee, and is located southwest of the City of Oak Ridge. The site is within a 37,300-acre federal reservation in Roane and Anderson Counties, Tennessee. Y-12 is one of three major complexes located on the DOE federal reservation, known as the Oak Ridge Reservation (ORR).

The original mission of Y-12 was separating the fissionable isotope of uranium by the electromagnetic process, in support of the U.S. nuclear power and weapons programs. After World War II, the electromagnetic process was discontinued in favor of the more economical gaseous diffusion process. In recent years, DOE has developed this facility into a highly sophisticated manufacturing and developmental engineering organization.

It is Y-12's mission to effectively re-manufacture, surveil, and assess all uranium, lithium and secondary components in the nuclear stockpile while protecting people and the environment; safely store, process and disposition uranium, lithium and secondary components associated with the nuclear stockpile; and to perform complementary work that reduces DOE's burden in maintaining Y-12 capability while contributing to regional economic development. It is also the objective of DOE to properly disposition legacy waste and newly generated waste.

## **PURPOSE**

This fact sheet is prepared pursuant to Tennessee Rule 1200-1-11-.07(7)(d) for the draft permit developed by the Tennessee Department of Environment and Conservation's (TDEC) Division of Solid Waste Management (DSWM). The purpose of this permitting process is to afford any interested persons the opportunity to evaluate the ability of the permittee to apply the applicable hazardous waste management requirements. The proposal is for the renewal permit to be reissued under the authority of the Tennessee Hazardous Waste Management Act of 1977, as amended, Tennessee Code Annotated, Section 68-212-101 et seq., and Tennessee Rule Chapter 1200-1-11, Hazardous Waste Management. The permit is prepared in accordance with the provisions of Tennessee Rule 1200-1-11-.07.

## **PERMIT HISTORY AND PROPOSED PERMIT**

The current permit (TNHW-083) was issued to Y-12 on September 28, 1995, and was effective for nine years. Tennessee Hazardous Waste Management Regulations require that the facility submit the renewal application 180 days before the current permit expires. Y-12 submitted the Part A and Part B Hazardous Waste Permit Renewal Application on April 2, 2004 to DSWM, thus, enabling the facility to continue to operate under the current permit until a final decision is made. The receipt of the Part A and Part B Application was public noticed on May 17, 2004 in the Oak Ridger in Oak Ridge, TN; the Roane County News in Kingston, TN; and the News Herald in Lenoir City, TN. Y-12 held the pre-application meeting for the renewal application on March 29, 2004, as public noticed on February 27 and March 1, 2004 in the Roane County News in Kingston, TN; on February 27, 2004 in the Oak Ridger in Oak Ridge, TN; and on February 27, 2004 in the News Sentinel in Knoxville, TN. No comments were received at the pre-application public meeting.

The current permit allowed the facility to store a maximum quantity of 862,730 gallons of hazardous waste in containers in seven storage areas (Buildings 9720-9, 9720-25, 9720-31, 9720-58, and 9811-1, Portable Unit No. 1, and Portable Unit No. 2). The proposed permit is for the continuance of five of these container storage areas (Buildings 9720-9, 9720-25, and 9720-31, Portable Unit No. 1, and Portable Unit No. 2) with a maximum storage capacity of 583,360 gallons of hazardous and mixed wastes generated by DOE and its contractors prior to on- or off-site treatment and/or disposal. In addition, it is proposed to allow these units to treat hazardous waste by neutralization with a maximum treatment capacity of 5,510 pounds per day and by the addition of absorbent with a maximum quantity of 11,020 pounds per day. Buildings 9720-58 and 9811-1 have been certified closed and are not included in the proposed permit.

Information on all solid waste management units (SWMUs) and areas of concern (AOCs) at the ORR, including previous or ongoing investigations or corrective actions for all releases of hazardous wastes or hazardous constituents, is included in DOE's site-wide corrective action permit (TNHW-121). The conditions of permit TNHW-121 require that any future and existing SWMUs or AOCs be evaluated for potential releases and remediation, as necessary.

## **COMMENTS**

Copies of Y-12's application, draft permit, fact sheet and public notice are available for public inspection at the following locations: TDEC's Knoxville Environmental Field Office, Public Access Area, Suite 220 - State Plaza, 2700 Middlebrook Pike, Knoxville, TN 37921 (865-594-6035); Oak Ridge Public Library, Civic Center, 1401 Oak Ridge Turnpike, Oak Ridge, TN (865-425-3455); Kingston Public Library, 1004 Bradford Way, Kingston, TN (865-376-9905); DOE Information Center, 475 Oak Ridge Turnpike, Oak Ridge, TN (865-576-0885); and TDEC Department of Energy Oversight Division Office, 761 Emory Valley Road, Oak Ridge, TN (865-481-0995). Normal state office hours are 8:00 a.m. to 4:30 p.m. on weekdays, excluding legal holidays.

All persons, including the applicant, who believe that the tentative decision to reissue this permit is inappropriate must raise all ascertainable issues and submit all available arguments and factual grounds supporting their position by sending comments or requesting a public hearing to Ms. Angela Ivory; Treatment, Storage and Disposal Section; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; telephone 615-532-9267 or e-mail to [Angela.Ivory@state.tn.us](mailto:Angela.Ivory@state.tn.us). Requests for a public hearing must state the nature of the issues proposed to be raised at the hearing. To assure consideration, comments or requests for a public hearing must be received by 4:30 p.m., August 22 2005.

When DSWM makes a final permit decision to either issue or deny the permit, notice will be given to the applicant and each person who has submitted written comments or requested notice of the final decision. The final permit decision shall become effective upon signing by the Director of DSWM.

Persons who wish to be on DSWM's mailing list should request a Mailing List Request form by calling or writing: Public Participation Officer; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, TN 37243-1535; telephone 615-532-0798; or e-mail [Solid.Waste@state.tn.us](mailto:Solid.Waste@state.tn.us).